

In closing this appeal, may I be pardoned for going beyond the usual bounds of official correspondence by saying that in my belief, no achievement of the Chief of the Bureau will rank higher in years to come than the reform urged in this paper. The introduction of a scientific system of records and notation will be far-reaching in its good effects. I am not unmindful of many and important advances which have been made in the past few years, but I believe that in certain aspects this is the most important matter that has yet come before the Chief for action.

RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Librarian.

The following have been selected from among the titles of books recently received, as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies. Most of them can be lent for a limited time to officials and employees who make application for them. Anonymous publications are indicated by a —.

Azores. Service météorologique.

Résumé d'observations 1907. Lisbonne. 1908. 15 p. f°.

Bebber, W[ilhelm] J[akob] van.

Anleitung zur Aufstellung von Wettervorhersagen... 2d ed. Braunschweig. 1908. vi, 38 p. f°.

Bemporad, A.

Nuova riduzione delle osservazioni pireliometriche eseguite da K. Angström all'isola di Teneriffa. (Dagli Atti dell'Accademia gioenia di scienze naturali in Catania. Serie 5. v. 1. 12 p.)

Ueber die Veränderung der Luftdurchsichtigkeit mit der Höhe und an der Erdoberfläche. (Archiv für Optik. Leipzig. 1 Bd. p. 305-316.)

Besançon. Observatoire national astronomique, chronométrique et météorologique.

Bulletin météorologique. 19-21, 1903-5. Besançon. 1905. v. p. 4°.

Bouches-du-Rhone. Commission de météorologie.

Bulletin annuel 1907. 26 année. Marseille. 1908. 112 p. 4°.

Brounov, P. I.

... Einfluss der meteorologischen Bedingungen auf die Vegetation und die Ernte des Hafers im Tschernoziomgebiet. 1. Theil. St. Petersburg. 1908. 270 p. 4°. [Russian text.]

Brunhes, Bernard.

L'Observatoire du Puy-de-Dôme depuis 1876. Clermont-Ferrand. 1908. 16 p. f°.

Bulgaria. Institut météorologique.

Annuaire 1900. Sofia. 1908. 63 p. f°.

Annuaire 1907. Sofia. 1908. 127 p. f°.

David, Pierre.

Les travaux de magnétisme terrestre à l'Observatoire du Puy-de-Dôme. Clermont-Ferrand. 1908. 10 p. f°.

Dörr, —.

Die Beobachtungsergebnisse der meteorologischen Stationen niederer Ordnung im Herzogtum Braunschweig während des Zeitraumes 1878-1905. (S.-A. Beiträge zur Statistik d. Herz. Braunschweig. Heft 20. 1907. 38 p.)

Finland. Meteorologische Zentralanstalt.

Meteorologisches Jahrbuch. Band 1, 1901. Helsingfors. 1908. v. p. f°.

Fortschritte der Physik.

1906. 1-3 Abteilung. Braunschweig. 1907. 3 v. 8°.

1907. 1-2 Abteilung. Braunschweig. 1908. 2 v. 8°.

France. Bureau central météorologique.

Annales. 1904. 1. Mémoires. Paris. 1908. xii, 377 p. f°.

Gesellschaft deutscher Naturforscher und Ärzte.

Verhandlungen... 79. Versammlung zu Dresden. 15.-21. September 1907. Naturwissenschaftliche Abteilungen. Leipzig. 1908. xiv, 284 p. 4°.

Gockel, Albert.

Die Luftelektrizität. Leipzig. 1908. 206 p. 8°.

Great Britain. Meteorological office.

Meteorological observations at stations of the second order. Edinburgh. 1908. xiv, 163 p. f°.

Hamburg, H[ugo] E[manuel].

Moyennes et extrêmes de la température de l'air en Suède 1856-1907. Upsala. 1908. 81 p. 20 pl. f°.

India. Meteorological department.

Report on administration 1907-1908. Simla. 1908. 24 p. f°.

Kensington. Solar physics observatory.

... Monthly mean value of barometric pressure for 73 selected stations over the earth's surface. London. 1908. 97 p. 30 pl. f°.

Mac-Auliffe, L.

Notions nouvelles en climatothérapie. Paris 1908. 177 p. 12°.

Messina Osservatorio.

Annuario. 1907. Messina. 1908. 8°.

Moore, John W.

Is our climate changing? Dublin. 1908. 26 p. 8°. (Repr. Dublin journal of medical science, Oct., 1908.)

[Naturforschender Verein in Brünn.]

Ergebnisse der phaenologischen Beobachtungen aus Mähren und Schlesien im Jahre 1905. Brünn, 1907. 16 p. 8°.

Phillip, George, and son (pub.).

Philip's meteorological calendar. London. n. d. 52 sheets.

Plumandon, J. R.

... Le climat du Département du Puy-de-Dôme. Clermont-Ferrand 1908. 23 p. 8°. (Association française pour l'avancement des sciences. Congrès de 1908 à Clermont-Ferrand.)

Prague. K. k. Sternwarte.

Magnetische und meteorologische Beobachtungen 1900-1907. Prag. 1901-1908. 1°.

Pyrénées-orientales. Commission météorologique.

Bulletin météorologique 1907. Perpignan. [1908.] 51 p. 4°.

Ratzel, Friedrich.

Die Erde und das Leben. Leipzig. 1901-1902. 2 v. 4°.

Sweden. Statens meteorologiska Centralanstalt.

Meteorologiska iakttagelser. 1907. Upsala. [1908.] x, 159 p. 1°.

Transvaal. Meteorological department.

Annual report. 1907. Pretoria. 1908. 126 p. 1°.

Vaucluse. Commission météorologique.

Compte rendu. 1907. Avignon. [1908.] 34 p. 1°.

RECENT PAPERS BEARING ON METEOROLOGY AND SEISMOLOGY.

C. FITZHUGH TALMAN, Librarian.

The subjoined titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers or other communications bearing on meteorology or cognate branches of science. This is not a complete index of the meteorological contents of all the journals from which it has been compiled; it shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau. Unsigned articles are indicated by a —.

American geographical society. Bulletin. New York. v. 40. October, 1908.

Huntington, Ellsworth. The climate of ancient Palestine. pt. 2.

(October) p. 577; (November) p. 641-652.

American society civil engineers. Proceedings. New York. v. 34. November, 1908.

Pickett, William D. The floods of the Mississippi delta; their causes, and suggestions as to their control. p. 1232-1251.

Collingwood, F., Roberts, Thomas P. and others. Forests and reservoirs in their relation to stream flow, with particular reference to navigable rivers. p. 1290-1311.

Engineering news. New York. v. 60. November 19, 1908.

— The report of the Pennsylvania water supply commission; forests, stream flow, and flood control. p. 555-556.

Chittenden, H. M. Forests, stream flows, and storage reservoirs. p. 564.

Wilson, Elwood. The relation of forests to stream flow in Quebec. p. 564.

Experiment station record. Washington, D. C. v. 19. July, 1908.

Gager, C. S. The evaporation power of the air at the New York botanical garden. [Abstract. Describes apparatus.] p. 1010-1011.

Indian forester. Allahabad. v. 34. October, 1908.

— The effect of forests on rainfall. p. 571-573. [Argues that the rainfall of the world is chiefly dependent on the existence of forests. Assumes that 600 times as much evaporation occurs from a forest as from a free water surface of the same area.]

— Cause and effect of the gradual disappearance of forests on the earth's surface. [Abstract of paper by Ducamp.] p. 600-704.

India meteorological department. Memoirs. v. 20, pt. 4.

Jones, R. L. A discussion of types of weather in Madras. p. 53-71.

Meteorological society of Japan. Journal. Tokio. 27th year. 1908.

Yamada, J. Observations of the givre. [Relation of hoarfrost to fog.] (August.) p. 21-23.

Tsuitsui, M. Relation between the range of air temperature and the distribution of land and water. (October.) p. 27-28.

Nature. London. v. 79. November 12, 1908.

Boycott, A. E., and others. Caisson disease. p. 41-42.

Royal meteorological society. Quarterly journal. London. v. 34. 1908.

Rawson, H. E. The anticyclonic belt of the southern hemisphere. (July.) p. 165-188.